

HEXA-VALENT CHROMIUM REMOVAL FROM AQUEOUS MEDIA USING FERROUS-FORM ZEOLITE MATERIALS

ABSTRACT OF THE DISCLOSURE

Systems and methods are provided for the removal and disposal of chromium from an aqueous medium. The systems and methods include the removal of chromium from a source by contact with either natural or synthetic zeolite that has been modified with a ferrous ion or other like substance. The spent zeolite is disposed of and replaced with freshly modified zeolite. In some cases the systems and methods are performed under de-oxidizing conditions.
